BRUHAT BANGALORE MAHANAGARA PALIKE	
NAME OF THE WORK: CONSTRUCTION OF SCHOOL BUILDING AT SINGAPURA IN WARD NO -11	
ABSTRACT	
Sl No / DESCRIPTION OF WORK	**AMOUNT**
1 Demolition	103308
2 Building	9089809
3 Electrical work	105442
4 Preparation of DPR and Architectural ,Structural Consultation fee(1% of estimated cost)	100000.00
5 Project management Consultancy Charges(1% of estimated cost)	100000.00
6 Tender Premium (5% of estimated cost)	500000.00
7 Miscellaneous and rounding off	1441.52
Total	**10000000**
RUPEES ONE CRORE ONLY	

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20,PRED 2019-20, SE-RCRED approved Rate and Issused Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP
20/01/2020

Administrative Approval
Accorded For RS.100.00 lakhs
Head of A/C P-3589
CER NO :03 Dt:01/06/2020
E.E. (Project)

Technical Sanction
Accorded For RS.100.00 lakhs
Head of A/C P-3589
CER NO :285 Dt:11/02/2020
TA
CE (YNK)

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: CONSTRUCTION OF SCHOOL BUILDING AT SINGAPURA IN WARD NO -11

1. DEMOLITION

							Est.Cost.Rs.	92239.41
Description of Item	**Unit**	**No**	**L**	**B**	**D**	**QTY**	**Rate**	**Amount**
1 KSRBB MD00-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202.(Pg No 139 ,Item No 18.19)								
Ground floor								
Kavempunagar School								
Slab	cum	1	5.60	2.90	0.15	2.44		
	cum	1	8.00	6.50	0.15	7.80		
Columns	cum	3	0.20	0.45	2.95	0.80		
Plinth beams	cum	2	8.00	0.20	0.45	1.44		
	cum	2	6.50	0.20	0.45	1.17		
Tank	Cum	1	4.60	0.15	1.90	1.31		
Hirtha School								
Columns	cum	4	0.20	0.45	3.05	1.10		
Plinth beams	cum	2	7.30	0.20	0.45	1.31		
	cum	2	7.10	0.20	0.45	1.28		
	cum	2	5.65	0.20	0.45	1.02		
	cum	2	3.52	0.20	0.45	0.63		
Basic rate							1589.00	
Item weightage 8%							127.12	
Total						**20.29**	**1716.12**	**34827.11**
2 KSRBB MD00-14.2.Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications **Dismantling brick/Tile work B. In cement mortar**. Pg No.139 Item No.18.23								
Kavempunagar School								
Ground floor								
Long walls	Cum	2	5.60	0.20	2.85	6.38		
	Cum	2	8.00	0.20	2.95	9.44		
Short walls	Cum	2	6.50	0.20	2.95	7.67		
	Cum	2	2.90	0.20	2.85	3.31		
Hirtha School								
Long walls	Cum	2	7.30	0.20	3.05	8.91		
	Cum	2	5.65	0.20	3.05	6.89		
Short walls	Cum	2	7.10	0.20	3.05	8.66		
	Cum	2	3.52	0.20	3.05	4.29		
	Cum	2	0.80	0.20	1.95	0.62		
Basic rate							351.00	
Item weightage 8%							28.08	
Total						**56.18**	**379.08**	**21296.49**
3 37.50: Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) No. KBS Pg No 270 ,Item No 37.51,								

	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
	Kavempunagar School								
	Ground floor								
	1	Sqm	1	5.60	2.9		16.24		
	2	Sqm	1	8.00	6.5		52.00		
	Urdu School								
	1	Sqm	1	7.30	7.1		51.83		
	2	Sqm	1	5.65	3.52		19.89		
	3	Sqm	1	3.52	0.8		2.82		
	Basic rate							86.00	
	Item weightage 8%							6.88	
	Total						**142.77**	**92.88**	**13260.85**
4	KSHRB M200-17.1.-do- v) Steel work in all types of Sections upto a Height of 5m above plinth level including Cutting of Rivet. -A.Including dismembering."								
	Urdu School								
	1	Sqm	1	7.30	7.1				
		Kgs	1	7.3*7.1*(3.28)^2*3			1672.82		
		(QUANTITY OF STEEL ASSUMED @ 3Kg/ SFT) including sheet							
	2	Kgs	1	5.65*3.52*(3.28)^2*3			641.89		
		(QUANTITY OF STEEL ASSUMED @ 3Kg/ SFT) including sheet							
	3	Kgs	1	3.52*.8*(3.28)^2*3			90.89		
		(QUANTITY OF STEEL ASSUMED @ 3Kg/ SFT) including sheet							
					Total		2405.60		
					tonne		2.41		
	Basic rate							1893.00	
	Item weightage 8%							151.44	
	Total						**2.41**	**2044.44**	**4918.10**
5	Dismantling plastering and removing the debris with a lead upto 200m. (P.No.270, I.No. 37.50)								
	Internal plastering								
	Kavempunagar School								
	Room of dimensions(5.6X2.9)	Sqm	2	5.6		2.85	31.92		
		Sqm	2	2.9		2.85	16.53		
	Room of dimensions(8X6.5)	Sqm	2	8		2.95	47.20		
		Sqm	2	6.5		2.95	38.35		
	Deductions								
	Door	Sqm	-2	0.9		2.1	-3.78		
	Ventilators	Sqm	-2	0.75		0.6	-0.90		
	Windows	Sqm	-2	1.2		1.2	-2.88		
	Urdu School								
	1	Sqm	2	7.3		3.05	44.53		
		Sqm	2	7.1		3.05	43.31		
	2	Sqm	2	5.65		3.05	34.47		
		Sqm	2	3.52		3.05	21.47		
	3	Sqm	2	3.52		1.95	13.73		
		Sqm	2	0.8		1.95	3.12		
	Deductions								
	Door	Sqm	-1	1.05		2.1	-2.21		
		Sqm	-1	1.03		2.1	-2.16		

	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
		Sqm	-1	0.75		1.6	-1.20		
	Windows	Sqm	-5	0.9		1.19	-5.36		
		Sqm	-1	0.9		1.2	-1.08		
	Basic rate							37.00	
	Area weightage 8%							2.96	
	Total						**275.06**	**39.96**	**10991.48**
6	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	DEBRIS	Cum					103.39		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding loading & unloading				Basic rate	2.00	
	Average Weight of Debris (1.3 Tonne/cum.)	For2Kms =2x1.3x2.5						5.20	
	Basic rate							62.20	
	Area weightage 8%							4.98	
	Total						**103.39**	**67.18**	**6945.38**
								TOTAL AMOUNT	**92239.41**
								ADD GST 12%	**11068.73**
								GRAND TOTAL	**103308.14**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20,PRED 2012-13, SE-ADDED approved Rate and Issused Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
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20/1/2020

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: CONSTRUCTION OF SCHOOL BUILDING AT SINGAPURA IN WARD NO -11

1. BUILDING

								Est.Cost.Rs.	9089809
SN No.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSHB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	Kempunagara Govt School								
	Combined Footing								
	Office	Cum	3	3.48	2.6	1.5	40.72		
	Class room	Cum	3	7.2	1.9	1.5	61.56		
	Excavation for SSM								
	Office	Cum	2	2	0.6	0.9	2.16		
	Class room	Cum	2	3.65	0.6	0.9	3.94		
	Basic rate							449.00	
	Item weightage 8%							35.92	
	Total						**108.38**	**484.92**	**52554.66**
2	KSHB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	Kempunagara Govt School								
	Combined Footing								
	Office	Cum	3	3.48	2.6	0.15	4.07		
	Class room	Cum	3	7.2	1.9	0.15	6.16		
	Basic rate							2429.00	
	Item weightage 8%							194.32	
	Total						**10.23**	**2623.32**	**26830.27**
3	KSHB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs. with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	Kempunagara Govt School								
	Combined Footing								
	Office	Cum	3	3.48	2.6	0.15	4.07		
	Class room	Cum	3	7.2	1.9	0.15	6.16		
	Below SSM								
	Office	Cum	2	5.4	0.6	0.15	0.97		
	Class room	Cum	2	6	0.6	0.15	1.08		
	For Office corridor	Cum	1	5.78	0.6	0.15	0.52		
	For Class room corridor	Cum	1	10.2	0.6	0.15	0.92		
	Basic rate							5102.00	
	Item weightage 8%							408.16	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Total						**13.72**	**5510.16**	**75587.27**
4	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2, Pg No. 13 Item No. 4.6								
	Kuvempunagara Govt School								
	Above SSM								
	Office	Cum	2	5.4	0.45	0.15	0.73		
	Class room	Cum	2	6	0.45	0.15	0.81		
	For Office corridor	Cum	1	5.78	0.45	0.15	0.39		
	For Class room corridor	Cum	1	10.2	0.45	0.15	0.69		
	Basic rate							5422.00	
	Area weightage 8%							433.76	
	Total						**2.62**	**5855.76**	**15328.33**
5	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications.KBS 5.1.13 Pg No 25 item No 5.6								
	SSM Footing								
	Office	Cum	2	5.4	0.45	0.6	2.92		
	Class room	Cum	2	6	0.45	0.6	3.24		
	For Office corridor	Cum	1	5.8	0.45	0.6	1.56		
	For Class room corridor	Cum	1	10.2	0.45	0.6	2.75		
	Basic rate							4596.00	
	Area weightage 8%							367.68	
	Total						**10.47**	**4963.68**	**51972.71**
6	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10								
	Filling Available of Excavated Earth								
	Earth Work Excavation	Cum					108.38		
	PCC for Footing	Cum					-13.72		
	Filling in foundation with granite / trap broken metal	Cum					-10.23		
	SSM Footing	Cum					-10.47		
	Footing Concrete Quantity	Cum					-29.26		
	Basic rate							201.00	
	Area weightage 8%							16.08	
	Total						**44.70**	**217.08**	**9703.35**
7	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	Excavated Earth	Cum					108.38		
	Filling Available of Excavated Earth						-44.70		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00	
	Average Weight of earth	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						**63.68**	**67.09**	**4272.17**
8	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Kuvempunagara Govt School								
	Combined Footing								
	Slab(office)	Sqm	3	12.16		0.3	10.94		
	Strap beam(office)	Sqm	6	3.48		0.3	6.26		
	Slab(class room)	Sqm	3	18.2		0.35	19.11		
	Strap beam(class room)	Sqm	6	7.2		0.55	23.76		
	Office								
	Columns upto plinth beam	Sqm	6	1.3		0.6	4.68		
	Class room								
	Columns upto plinth beam	Sqm	6	1.3		0.3	2.34		
	Basic rate							258.00	
	Area weightage 8%							20.64	
	Total						**67.10**	**278.64**	**18696.19**
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31								
	Kuvempunagara Govt School								
	Plinth Beams								
	Office(long)	Sqm	4	8.3		0.45	14.94		
	Office(short)	Sqm	6	3.78		0.45	10.21		
	Class room(long)	Sqm	4	8.9		0.45	16.02		
	Class room(short)	Sqm	6	6.2		0.45	16.74		
	Basic rate							358.00	
	Area weightage 8%							28.64	
	Total						**57.91**	**386.64**	**22388.78**
10	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32								
	Ground Floor								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Kuvempunagara Govt School								
	Columns	Sqm	8	1.3		2.6	27.04		
	Columns in corridor	Sqm	4	1.3		2.75	14.30		
	First Floor								
	Urdu School								
	Column	Sqm	8	1.3		2.75	28.60		
	Singapura Govt School								
	Column	Sqm	14	1.2		2.6	43.68		
	Basic rate							456.00	
	Area weightage 8%							36.48	
	Total						**113.62**	**492.48**	**55955.58**
III	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
	Ground Floor								
	Kuvempunagara Govt School								
	Office	Sqm	1	3.98	8.3		33.03		
	Class room	Sqm	1	6.4	8.9		56.96		
	First Floor								
	Urdu School								
	Slab	Sqm	1	11.7	7.46		87.28		
	Singapura Govt School								
	Slab	Sqm	1	7.4	6.6		48.84		
		Sqm	1	13.27	6.6		87.58		
	Staircase landings	Sqm	2	3.2		0.15	0.96		
	Basic rate							400.00	
	Area weightage 8%							32.00	
	Total						**314.66**	**432**	**135932.26**
II	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36								
	Ground Floor								
	Kuvempunagara Govt School								
	Office	Sqm	1	24.56		0.15	3.68		
	Class room	Sqm	1	30.6		0.15	4.59		
	First Floor								
	Urdu School								
	Slab	Sqm	1	38.32		0.15	5.75		
	Singapura Govt School								
	Slab	Sqm	1	28		0.15	4.20		
		Sqm	1	39.74		0.15	5.96		
	Basic rate							755.00	
	Area weightage 8%							60.40	
	Total						**24.18**	**815.4**	**19718.82**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
13	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								
	Ground Floor								
	Kuvempunagara Govt School								
	Office								
	Roof beams (200X600)								
	(long)	Sqm	4	6.3		0.45	11.34		
	(short)	Sqm	4	3.78		0.45	6.80		
	Roof beams for corridor (200X450)								
	long	Sqm	2	3.78		0.3	2.27		
	short	Sqm	4	2		0.3	2.40		
	Class room								
	Roof beams (200X600)								
	(long)	Sqm	4	6.5		0.45	11.70		
	(short)	Sqm	4	6.2		0.45	11.16		
	Roof beams for corridor (200X450)								
	long	Sqm	2	6.2		0.3	3.72		
	short	Sqm	4	2		0.3	2.40		
	Through Lintels								
	Office(long)	Sqm	2	6.3		0.2	2.52		
	Office(short)	Sqm	4	3.78		0.2	3.02		
	Class room(long)	Sqm	4	6.9		0.2	5.52		
	Class room(short)	Sqm	4	6.2		0.2	4.96		
	First Floor								
	Urdu School								
	Beams(200X450)								
	Longer	Sqm	6	11.7		0.3	21.06		
		Sqm	8	6.56		0.3	15.74		
	Lintel								
	Through Lintel	Sqm	4	11.1		0.2	8.88		
	Singapura Govt School								
	Beams(200X400)for CR 1&2								
	Longer	Sqm	4	13.27		0.25	13.27		
	Shorter	Sqm	8	6.6		0.25	13.20		
	Beams(200X400)for CR 3								
	Longer	Sqm	4	7.4		0.25	7.40		
	Shorter	Sqm	6	6.6		0.25	9.90		
	Lintels for CR 1&2(long)	Sqm	4	13.27		0.2	10.62		
	Lintels for CR 3(long)	Sqm	4	7.4		0.2	5.92		
	Basic rate							292.00	
	Area weightage 8%							23.36	
	Total						**173.81**	**315.36**	**54811.46**
14	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38								

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
First Floor								
Singapura Govt School								
Staircase								
Flight 1(bottom)	Sqm	2	4.43	1		8.86		
Flight 1(sides)	Sqm	4	4.43		0.175	3.10		
Flight 2(bottom)	Sqm	2	2.1	1		4.20		
Flight 2(sides)	Sqm	4	2.1		0.175	1.47		
Basic rate							520.00	
Area weightage 8%							41.60	
Total						**17.63**	**561.60**	**9901.57**

5) KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 17,Item No 4.37

Ground Floor								
Kuvempunagara Govt School								
Chajja	Sqm	5	1.5	0.6		4.50		
First Floor								
Urdu School								
Chajja	Sqm	4	1.5	0.6		3.60		
Singapura Govt School								
Chajja	Sqm	6	1.5	0.6		5.40		
Basic rate							323.00	
Area weightage 8%							25.84	
Total						**13.50**	**348.84**	**4709.34**

6) KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10

Kuvempunagara Govt School								
Combined Footing								
Slab(office)	Cum	3	3.48	2.6	0.30	8.14		
Strap beam(office)	Cum	3	3.48	0.45	0.30	1.41		
Slab(class room)	Cum	3	7.2	1.9	0.35	14.36		
Strap beam(class room)	Cum	3	7.2	0.45	0.55	5.35		
Office								
Columns upto plinth beam	Cum	6	0.2	0.45	0.60	0.32		
Class room								
Columns upto plinth beam	Cum	6	0.2	0.45	0.30	0.16		
Plinth Beams								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Office(long)	Cum	2	8.3	0.2	0.45	1.49		
	Office(short)	Cum	3	3.78	0.2	0.45	1.02		
	Class room(long)	Cum	2	8.9	0.2	0.45	1.60		
	Class room(short)	Cum	3	6.2	0.2	0.45	1.67		
	Basic rate							5812.00	
	Area weightage 8%							464.96	
	Total						**35.54**	**6276.96**	**223078.14**
17	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12								
	Ground Floor								
	Kuvempunagara Govt School								
	Columns	Cum	8	0.2	0.45	2.6	1.87		
	Columns in corridor	Cum	4	0.2	0.45	2.75	0.99		
	Through Lintels								
	Office(long)	Cum	1	6.3	0.2	0.2	0.252		
	Office(short)	Cum	2	3.78	0.2	0.2	0.3024		
	Class room(long)	Cum	2	6.9	0.2	0.2	0.552		
	Class room(short)	Cum	2	6.2	0.2	0.2	0.496		
	Basic rate							6045.00	
	Area weightage 8%							483.60	
	Total						**4.46**	**6528.60**	**29146.28**
	First Floor								
	Urdu School								
	Column	Cum	8	0.2	0.45	2.75	1.98		
	Lintel								
	Through Lintel	Cum	2	11.1	0.2	0.2	0.888		
	Singapura Govt School								
	Column	Cum	14	0.2	0.4	2.6	2.91		
	Lintels for CR 1&2(long)	Cum	2	13.27	0.2	0.2	1.06		
	Lintels for CR 3(long)	Cum	2	7.4	0.2	0.2	0.59		
	Staircase								
	Flight 1	Cum	2	4.43	1	0.15	1.33		
	Flight 2	Cum	2	2.1	1	0.15	0.63		
	Landing	Cum	2	1.8	1.4	0.15	0.76		
	Steps	Cum	40	1	0.0225		0.90		
			triangular area 0.5x0.3x0.15=0.0225						
	Basic rate							6045.00	
	Add lift charges for First Floor							60.00	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	sub total							6105.00	
	Area weightage 8%							488.40	
	Total						**11.05**	**6593.40**	**72847.84**
10	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2								
	Ground Floor								
	Kuvempunagara Govt School								
	Slab								
	Office	Cum	1	3.98	8.3	0.15	4.96		
	Class room	Cum	1	6.4	8.9	0.15	8.54		
	Office								
	Roof beams (200X600)								
	(long)	Cum	2	6.3	0.2	0.45	1.13		
	(short)	Cum	2	3.78	0.2	0.45	0.68		
	Roof beams for corridor (200X450)								
	long	Cum	1	3.78	0.2	0.3	0.23		
	short	Cum	2	2	0.2	0.3	0.24		
	Class room								
	Roof beams (200X600)								
	(long)	Cum	2	6.5	0.2	0.45	1.17		
	(short)	Cum	2	6.2	0.2	0.45	1.12		
	Roof beams for corridor (200X450)								
	long	Cum	1	6.2	0.2	0.3	0.37		
	short	Cum	2	2	0.2	0.3	0.24		
	First Floor								
	Urdu School								
	Slab	Cum	1	11.7	7.46	0.15	13.09		
	Beams(200X450)								
	Longer	Cum	3	11.7	0.2	0.3	2.11		
	Shorter	Cum	4	6.56	0.2	0.3	1.57		
	Singapura Govt School								
	Slab	Cum	1	7.4	6.6	0.15	7.33		
		Cum	1	13.27	6.6	0.15	13.14		
	Beams(200X400)for CR 1&2								
	Longer	Cum	2	13.27	0.2	0.25	1.33		
	Shorter	Cum	4	6.6	0.2	0.25	1.32		
	Beams(200X400)for CR 3								
	Longer	Cum	2	7.4	0.2	0.25	0.74		
	Shorter	Cum	3	6.6	0.2	0.25	0.99		
	Basic rate							5497.00	
	Area weightage 8%							439.76	
	Total						**60.29**	**5936.76**	**357934.98**

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 10.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20								
Ground Floor								
Kuvempunagara Govt School								
Chajja	Sqm	5	1.5	0.6		4.5		
Basic rate							496.00	
Area weightage 8%							39.68	
Total						**4.50**	**535.68**	**2410.56**
First Floor								
Urdu School								
Chajja	Sqm	4	1.5	0.6		3.60		
Singapura Govt School								
Chajja	Sqm	6	1.5	0.6		5.4		
Basic rate							496.00	
Add lift charges for First Floor							5.00	
sub total							501.00	
Area weightage 8%							40.08	
Total						**9.00**	**541.08**	**4869.72**
KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
Ground Floor								
Combined Footing	Cum	Concrete Quantity				29.26		
	kg	Steel assumed 130 Kg/Cum of Concrete				3804.1		
	tonne					**3.80**		
Columns	Cum	Concrete Quantity				3.35		
	kg	Steel assumed 150 Kg/Cum of Concrete				502.20		
	tonne					**0.50**		
Plinth beam	Cum	Concrete Quantity				5.79		
	kg	Steel assumed 150 Kg/Cum of Concrete				868.59		
	tonne					**0.87**		
Staircase	Cum	Concrete Quantity				0.00		
	kg	Steel assumed 125 Kg/Cum of Concrete				0.00		
	tonne					**0.00**		
Lintel	Cum	Concrete Quantity				1.60		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		kg	Steel assumed 125 Kg/Cum of Concrete				200.30		
		tonne					**0.20**		
	Beam	Cum	Concrete Quantity				5.18		
		kg	Steel assumed 150 Kg/Cum of Concrete				776.9		
		tonne					**0.78**		
	Chajja	Cum	Concrete Quantity				0.45		
		kg	Steel assumed 100 Kg/Cum of Concrete				45.00		
		tonne					**0.05**		
	Roof Slab	Cum	Concrete Quantity				13.50		
		kg	Steel assumed 130 Kg/Cum of Concrete				1754.9		
		tonne					**1.75**		
	Basic rate							70966.00	
	Area weightage 8%							5677.28	
	Total						**7.95**	**76643.3**	**609466.67**
	First Floor								
	Colomn	Cum	Concrete Quantity				4.89		
		kg	Steel assumed 150 Kg/Cum of Concrete				733.80		
		tonne					**0.73**		
	Staircase	Cum	Concrete Quantity				3.62		
		kg	Steel assumed 125 Kg/Cum of Concrete				451.88		
		tonne					**0.45**		
	Lintel	Cum	Concrete Quantity				2.54		
		kg	Steel assumed 125 Kg/Cum of Concrete				317.70		
		tonne					**0.32**		
	Beam	Cum	Concrete Quantity				8.06		
		kg	Steel assumed 150 Kg/Cum of Concrete				1208.61		
		tonne					**1.21**		
	Roof Slab	Cum	Concrete Quantity				33.56		
		kg	Steel assumed 130 Kg/Cum of Concrete				4362.2		
		tonne					**4.36**		
	Chajja	Cum	Concrete Quantity				0.90		
		kg	Steel assumed 100 Kg/Cum of Concrete				90.00		
		tonne					**0.09**		
	Basic rate							70966.00	
	Add lift charges for First Floor							748.00	
	sub total							71714.0	
	Area weightage 8%							5737.12	

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Total						7.16	77451.1	554876.32
KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1								
Ground Floor								
Kuvempunagara Govt School								
Office(long)	Sqm	1	6.3		2.6	16.38		
Office(short)	Sqm	2	3.78		2.6	19.66		
Deductions								
Door D	Sqm	-1	1		2.1	-2.10		
Windows W	Sqm	-4	1.2		1.5	-7.20		
Class room(long)	Sqm	2	6.5		2.6	33.80		
Class room(short)	Sqm	2	6.2		2.6	32.24		
Deductions								
Door D	Sqm	-1	1		2.1	-2.10		
Windows W	Sqm	-5	1.2		1.5	-9.00		
Basic rate							912.00	
Area weightage 8%							72.96	
Total						**81.68**	**984.96**	**80447.59**
First Floor								
Urdu School								
Long Wall	Sqm	2	11.7		2.75	64.35		
Short Wall	Sqm	1	6.56		2.75	18.04		
D	Sqm	-2	1		2.1	-4.20		
W	Sqm	-8	1.2		1.5	-14.40		
Singapura Govt School								
Class room 1&2(long)	Sqm	2	12.27		2.8	68.71		
Class room 1&2(short)	Sqm	2	4.27		2.8	23.91		
Class room 3(long)	Sqm	2	6.4		2.8	35.84		
Class room 3(short)	Sqm	2	4.8		2.8	26.88		
Deductions								
Door D1	Sqm	-3	1		2.1	-6.30		
Windows	Sqm	-12	1.2		1.5	-21.60		
							912.00	
Basic rate							35.00	
Add lift charges for First Floor							947.00	
sub total							75.76	
Area weightage 8%						**191.23**	**1022.76**	**195586.49**
Total								
KSRB 5-15 : Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. KBS No.5.4, Pg No 27, Item No 5.28								
Ground Floor								
Kuvempunagara Govt School								

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Corridor Wall								
Office	Sqm	1	2.48		0.9	2.23		
	Sqm	1	2		0.9	1.80		
Class room	Sqm	1	4.9		0.9	4.41		
	Sqm	1	2		0.9	1.80		
Basic rate							811.00	
Area weightage 8%							64.88	
Total						**10.24**	**875.88**	**8970.76**
First Floor								
Navempunagara Govt School								
Parapit Wall for office	Sqm	1	8.4		0.9	7.56		
	Sqm	2	3.9		0.9	7.02		
Parapit Wall for Class room	Sqm	2	6.4		0.9	11.52		
	Sqm	1	8.9		0.9	8.01		
Urdu School								
Corridor Wall	Sqm	1	11.7		1.2	14.04		
	Sqm	1	1.4		1.2	1.68		
Singapura Govt School								
Corridor Wall	Sqm	1	13.27		1.2	15.924		
	Sqm	1	7.4		1.2	8.88		
	Sqm	1	2.7		1.2	3.24		
	Sqm	2	7.9		1.2	18.96		
Basic rate							811.00	
Add lift charges for First Floor							35.00	
sub total							846.00	
Area weightage 8%							67.68	
Total						**96.83**	**913.68**	**88475.29**
Terrace Floor								
Urdu School								
Parapit Wall	Sqm	1	11.7		0.9	10.53		
	Sqm	1	7.26		0.9	6.53		
Singapura Govt School								
Parapit Wall								
Classroom 1&2	Sqm	2	13.27		0.9	23.89		
	Sqm	1	4.87		0.9	4.38		
Classroom 3	Sqm	2	7.4		0.9	13.32		
	Sqm	2	5.2		0.9	9.36		
Basic rate							811.00	
Add lift charges for Second Floor							70.00	
sub total							881.00	
Area weightage 8%							70.48	
Total						**68.01**	**951.48**	**64713.01**
KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16								
External Plastering								

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Ground Floor								
Kavempunagara Govt School								
Office (long)	Sqm	1	6.3		3.2	20.16		
Office(short)	Sqm	2	3.98		3.2	25.47		
Deductions								
Door D	Sqm	-2	1		2.1	-4.20		
Windows W	Sqm	-9	1.2		1.5	-16.20		
Class room(long)	Sqm	2	6.9		3.2	44.16		
Class room(short)	Sqm	2	6.2		3.2	39.68		
Office								
Corridor wall(sides)	Sqm	2	2.48		0.9	4.46		
	Sqm	2	2		0.9	3.60		
Corridor wall(top)	Sqm	1	2.48	0.1		0.25		
	Sqm	1	2	0.1		0.20		
Class room								
Corridor wall(sides)	Sqm	2	4.9		0.9	8.82		
	Sqm	2	2		0.9	3.60		
Corridor wall(top)	Sqm	1	4.9	0.1		0.49		
	Sqm	1	2	0.1		0.20		
Chejjas(top)	Sqm	5	1.5	0.6		4.50		
Sides	Sqm	10		0.6	0.1	0.60		
Front	Sqm	5	1.5		0.1	0.75		
Basic rate							261.00	
Area weightage 8%							20.88	
Total						**136.54**	**281.88**	**38489.02**
First Floor								
Kavempunagara Govt School								
Parapit walls								
Parapit Wall for office(sides)	Sqm	2	8.4		0.9	15.12		
	Sqm	4	3.9		0.9	14.04		
Parapit Wall for office(top)	Sqm	1	8.4	0.1		0.84		
	Sqm	2	3.9	0.1		0.78		
Parapit Wall for Class room(sides)	Sqm	4	6.4		0.9	23.04		
	Sqm	2	8.9		0.9	16.02		
Parapit Wall for Class room(top)	Sqm	2	6.4	0.1		1.28		
	Sqm	1	8.9	0.1		0.89		
Urdu School								
long walls	Sqm	2	11.9		3.2	76.16		
short walls	Sqm	1	5.86		3.2	18.75		
Deductions								
Door D	Sqm	-2	1		2.1	-4.2		
Windows W	Sqm	-8	1.2		1.5	-14.4		
Chejjas(top)	Sqm	4	1.5	0.6		3.6		
Chejjas(sides)	Sqm	4	2.7		0.1	1.08		
Corridor Wall(sides)	Sqm	2	11.7		1.2	28.08		
	Sqm	2	1.4		1.2	3.36		

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Corridor Wall(top)	Sqm	1	11.7	0.1		1.17		
	Sqm	1	1.4	0.1		0.14		
Singapura Govt School								
Classroom 1&2(long)	Sqm	2	13.27		3.2	84.93		
Classroom 1&2(short)	Sqm	1	5.07		3.2	16.22		
Classroom 3(long)	Sqm	2	7.4		3.2	47.36		
Classroom 3(short)	Sqm	2	5.4		3.2	34.56		
Deductions								
Door D1	Sqm	-3	1		2.1	-6.30		
Windows W	Sqm	-12	1.2		1.5	-21.60		
Chejjas(top)	Sqm	6	1.5	0.6		5.40		
Chejjas(sides)	Sqm	6	2.7		0.1	1.62		
Corridor Wall(sides)	Sqm	2	13.27		1.2	31.85		
	Sqm	2	7.4		1.2	17.76		
Corridor Wall(top)	Sqm	1	13.27	0.1		1.33		
	Sqm	1	7.4	0.1		0.74		
Basic rate							261.00	
Add Scaffolding charges for First Floor							12.00	
sub total							273.00	
Area weightage 8%							21.84	
Total						**399.62**	**294.84**	**117823.67**
Terrace Floor								
Urdu School								
Parapit Wall(sides)	Sqm	2	11.7		0.9	21.06		
	Sqm	2	7.26		0.9	13.07		
Parapit Wall(top)	Sqm	1	11.7	0.1		1.17		
	Sqm	1	7.26	0.1		0.73		
Singapura Govt School								
Parapit Wall(sides)								
Classroom 1&2	Sqm	4	13.27		0.9	47.77		
	Sqm	2	4.87		0.9	8.77		
Classroom 3	Sqm	4	7.4		0.9	26.64		
	Sqm	4	5.2		0.9	18.72		
Parapit Wall(top)								
Classroom 1&2	Sqm	2	13.27	0.1		2.65		
	Sqm	1	4.87	0.1		0.49		
Classroom 3	Sqm	2	7.4	0.1		1.48		
	Sqm	2	5.2	0.1		1.04		
Basic rate							261.00	
Add Scaffolding charges for Second Floor							24.00	
sub total							285.00	
Area weightage 8%							22.80	
Total						**143.58**	**307.80**	**44194.85**
KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item No.15.10								
Internal Plastering								
Ground Floor								
Kuvempunagara Govt School								

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Office(long)	Sqm	2	5.9		1.85	21.83		
Office(short)	Sqm	2	3.78		1.85	13.99		
Deductions								
Door D	Sqm	-2	1		0.9	-1.80		
Windows W	Sqm	-9	1.2		1.5	-16.20		
Class room(long)	Sqm	2	6.5		1.85	24.05		
Class room(short)	Sqm	2	6.2		1.85	22.94		
Basic rate							204.00	
Area weightage 8%							16.32	
Total						**64.81**	**220.32**	**14278.06**
First Floor								
Urdu School								
Classroom 1(long)	Sqm	2	5.84		1.85	21.61		
Classroom 1(short)	Sqm	2	5.46		1.85	20.20		
Classroom 2	Sqm	4	5.46		1.85	40.40		
Singapura Govt School								
Classroom1(long)	Sqm	2	6.37		1.85	23.57		
Classroom1(short)	Sqm	2	4.67		1.85	17.28		
Classroom2(long)	Sqm	2	6.3		1.85	23.31		
Classroom2(short)	Sqm	2	4.67		1.85	17.28		
Classroom3(long)	Sqm	2	7.2		1.85	26.64		
Classroom3(short)	Sqm	2	5		1.85	18.50		
Deductions								
Door D1	Sqm	-5	1		2.1	-10.50		
Windows W	Sqm	-20	1.2		1.5	-36.00		
Basic rate							204.00	
Add lift charges for First Floor							6.00	
sub total							210.00	
Area weightage 8%							16.80	
Total						**162.29**	**226.80**	**36807.60**
KSRB15-5.1 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, incldfing cost of materials, labour, curing complete as per specifications , Pg.No-117, Item No-15.30.								
Ground Floor								
Kavempunagara Govt School								
Office(long)	Sqm	2	5.9		1.2	14.16		
Office(short)	Sqm	2	3.78		1.2	9.072		
Class room(long)	Sqm	2	6.5		1.2	15.6		
Class room(short)	Sqm	2	6.2		1.2	14.88		
Deduction for D	Sqm	-2	1		1.2	-2.4		
Basic rate							205.00	
Area weightage 8%							16.40	
Total						**51.31**	**221.40**	**11360.48**
First Floor								
Urdu School								
Classroom 1(long)	Sqm	2	5.84		1.2	14.02		

Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
Classroom 1(short)	Sqm	2	5.46		1.2	13.10		
Classroom 2	Sqm	4	5.6		1.2	26.88		
Singapura Govt School								
Classroom 1(long)	Sqm	2	6.37		1.2	15.29		
Classroom 1(short)	Sqm	2	4.67		1.2	11.21		
Classroom 2(long)	Sqm	2	6.3		1.2	15.12		
Classroom 2(short)	Sqm	2	4.67		1.2	11.21		
Classroom 3(long)	Sqm	2	7.2		1.2	17.28		
Classroom 3(short)	Sqm	2	5		1.2	12.00		
Deduction for D	Sqm	-5	1		1.2	-6.00		
Basic rate							205.00	
Add lift charges for First Floor							6.00	
sub total							211.00	
Area weightage 8%							16.88	
Total						**130.10**	**227.88**	**29648.10**
KSR15-3-14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Pg No 116, Item No15.22								
Ground Floor								
Nanempunagara Govt School								
Office	Sqm	1	5.9	3.7		21.83		
Class room	Sqm	1	6.2	6.5		40.3		
Chejjas (bottom)	Sqm	5	1.5	0.6		4.5		
For Corridors								
Office	Sqm	1	3.78	2		7.56		
Class room	Sqm	1	6.2	2		12.4		
Basic rate							225.00	
Area weightage 8%							18.00	
Total						**86.59**	**243.00**	**21041.37**
First Floor								
Urdu School								
Classroom 1	Sqm	1	5.84	5.46		31.89		
Classroom 2	Sqm	1	5.46	5.46		29.81		
Chejjas (bottom)	Sqm	4	1.5	0.6		3.60		
Singapura Govt School								
Classroom 1	Sqm	1	6.37	4.67		29.75		
Classroom 2	Sqm	1	6.3	4.67		29.42		
Classroom 3	Sqm	1	7.2	5		36.00		
Chejjas (bottom)	Sqm	6	1.5	0.6		5.40		
Basic rate							225.00	
Add lift charges for First Floor							6.00	
sub total							231.00	
Area weightage 8%							18.48	
Total						**165.87**	**249.48**	**41380.47**
providing applying two coats of wall putty to **inside plastered walls and ceiling** using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.128 Item No.15.106								
for Internal plastered portions	Sqm	1	same as Internal plastering			227.10		